OPTIMIZED MAMs MANAGEMENT WITHIN CDMD-OA

CINC MAMs MSG/ALLOWANCE OPTIMIZATION SPLINTER TEAM

Interim FLSIC
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AT FLSIC (5/19/99)
THE WAY AHEAD

◆ Fleet Concurrence

☑ yes ☐ no

◆ CDMD-OA Design Changes
  – Schedule

29 October Completion Date

◆ Implementation
  – Prototype

LANTFLT	PACFLT
USS _____	USS _____
USS _____	USS _____
USS _____	USS _____
USS _____	USS _____

  – Fleet-wide

MANAGING MAMS AS CONFIGURATION ITEMS"... BUSINESS RULES

◆ Configuration
- MAMs will be managed as shipboard configuration items
  - Type 2 configuration records...not alterations
- Ship will not be permitted to delete MAMs configuration records
- For Type 4 alterations, X-RIC RIN will not be decremented/deleted until the alteration is accomplished against every occurrence of the parent RIC on ship
- Initial configuration records will be established with the parent location and work center
  - Subsequent changes to these fields may only be made by the ship
- For multiple applications of equipments/systems with MAMs, configuration records will be established based on Allowance Factor Code resident in WSF
  - Location and Work Center from first application will be used

MANAGING MAMS AS CONFIGURATION ITEMS"… BUSINESS RULES

◆ **Allowances**
- NAVICP-M will continue to maintain equipment level MAMs allowances
- CDMD-OA will apply MAMs allowances to the configuration

◆ **X-RIC Structure**
- "XM" in the first two positions followed by the 9 character NIIN/NICN
- X-RICs stored in X-RIC table which defines parent-child relationship between MAMs and higher assembly

MANAGING MAMS AS CONFIGURATION ITEMS"... HOW IT WORKS

◆ ISEA Reports Configuration Change
  – Standard ASI updates flow for configuration (EQU), COSAL (COS), and Allowance records [EXCEPT FOR MAMs ALLOWANCES]
  – CDMD-OA creates/maintains a Configuration Record as XRIC for each MAM on the equipment reported by the ISEA (COSAL and Allowance records for MAM only)
  – CDMD-OA creates Optimum Allowance (E record) containing total ship MAM allowance for that NIIN

MANAGING MAMS AS CONFIGURATION ITEMS"... HOW IT WORKS

◆ MAMs X-RIC RIN (EQU RECORD)

– Produced automatically by CDMD-OA as an add or delete based on status of parent configuration record

– One Configuration record for each MAM allowed

◆ Total optimized allowance maintained in SNAP in the SRF

MANAGING MAMS AS CONFIGURATION ITEMS"… AN EXAMPLE OF HOW IT WORKS

◆ Installed system AN/BIG ED-4(V) APL 24403300 RIN 22000

- Contains one MAM
  - 01-331-9347 allowance 1
  - XM 013319347 RIN 00127

◆ Add Ordalt 0R251162

- Adds two MAMs
  - 01-292-0576 allowance 2
- Deletes one MAM
  - 01-331-9347 allowance 1
- Ordalt added to configuration with its own RIN in EQU

MANAGING MAMS AS CONFIGURATION ITEMS"… AN EXAMPLE OF HOW IT WORKS

◆ Add Ordalt 0R251162 (cont.)

- MAMs added as configuration
  - XM012920576 RIN 23415
  - XM012920576 RIN 23416
- MAM deleted as configuration
  - XM013319347 RIN 00127 (Deleted by alteration)

◆ Allowance of 2 established for NIIN 01-292-0576

- E1A record sent via ASI for 01-292-0576
- A1A record for RIN 23415 adds configuration record for XM 012920576
- A1A record for RIN 23416 adds configuration record for XM 012920576

8

MANAGING MAMS AS CONFIGURATION ITEMS"… AN EXAMPLE OF HOW IT WORKS

◆ NIIN 01-331-9347 already carried with allowance of 1

◆ New allowance 0 due to negative quantity indicator caused by removal of MAM by alteration

– E1D record sent via ASI for 01-331-9347

– A1D record for RIN 00127 removes configuration record for XM013319347

MANAGING MAMS AS CONFIGURATION ITEMS"... WHAT THE SAILOR SEES

◆ SRF will continue to show MAMs allowances

– SRF continues to have same allowance information but is more accurate!

◆ EQU will contain a configuration record for each MAM allowed

MANAGING MAMS AS CONFIGURATION ITEMS"... THE BENEFITS

◆ MAMs adds and deletes accurately reflected in ships files (ALL the time)

◆ Negative quantity indicator considered in computing total ships allowance

◆ Unlimited number of MAMs locations

◆ Additional description information such as parent APL which drove the allowance

MANAGING MAMS AS CONFIGURATION ITEMS"... THE BENEFITS

◆ Uses existing ASI process to adjust shipboard records

◆ Compatible with all versions of SNAP
  – CDMD-OA generates:
    ◆ A records
    ◆ E records
    ◆ X05 records

◆ Inventory using existing SNAP reports
  – Contains additional descriptive information
  – More flexible sort methods for obtaining validation sheets (several sort orders available)

MANAGING MAMS AS CONFIGURATION ITEMS"… A WIN-WIN SOLUTION

◆ No Increase in Workload
  – Ship
  – ISEA
  – CDM

◆ Perpetuate MAMs Identification and Equipment Application in "COS" File

◆ Research Tools Based on WSF Level C Data

◆ No Major Provisioning Process Policy Changes

STATUS

◆ CDMD-OA Design Changes
- – Requirements Statement Drafted
- – Approved by CCB 8/13
- – Commenced Programming

◆ 23 August meeting at SPAWARSYSCEN
- – Reviewed use of Standard Data Elements
- – Reviewed Sample MDS/OMMS Reports
- – Recommended Data Elements, Proposed use of LSD ID Field, and Draft Update Procedures Distributed to MAMs Inventory Afloat Working Group (9/7 E:mail) for Review and Feedback

STATUS

◆ Require Fleet Input/Agreement on:
  - Proposed Data Element Requirements
    - Functional Description
      - Use MAM part number i.e. MAM IC693MDL930 rather than actual NIIN
    - APL Nomenclature
      - Use MAM noun name rather than RICNOM of parent equipment
    - ESD
      - Use "MAMs" rather than RICNOM of parent equipment
    - EIC
      - Jerry Koehler to provide generic EIC rather than use EIC of the parent equipment

STATUS

- Proposed Data Element Requirements (cont.)
  - AILSIN/SWLIN (HSC)
    - 6092 XM_ _ _   For SSN 688 Class
    - 49930 M _ _ _   For SSN 21 Class
    - 49931 M _ _ _   All Others
  - LSSC
    - Either MD--support not determined, local support method or FG--no support, supply support not needed.
- Use of LSD Remarks ID Field for Location data
  - Ship must be able to edit records with DOCTYPE of Remark
- Desk Guide Development
  - Desired Narrative

16

STATUS

◆ Require Fleet Input/Agreement on (cont.)

  – Desk Guides to be Promulgated by TYCOMS Under Fleet Wide Phase

  – Layout Design for OMMS-NG Adhoc Reports

◆ Input of Location data in LSD ID Field

  – Ship's Force Responsibility

  – Preload Cabinet-Drawer-Row-Slot Location Data?

STATUS

◆ Implementation Strategy "Do No Harm"
  – Off line Prototype Test
  – Ship Prototype Test
    ◆ Propose Testing on following Platforms
      – Micro SNAP
      – Ported SNAP I
      – Ported SNAP II
      – OMMS-NG
    ◆ TYCOMS Identify Test Ships
  – Fleet-Wide (Backfit)
    ◆ Need Schedule

18

IMPLEMENTATION SCHDULE

October	November	December-January	February

Finalize Fleet Recommendations

Complete Programming

Initialize Database

Complete Certification Test Plan

Initial Draft Desk Guides

Certification Test

Off Line Prototype Test

Establish NAVICP Feed

Reinitialize Database

Prototype on Selected Ship(s)

Finalize Desk Guides

MAMs Process Online

Fleet Implementation